

# Contents

- Preface to the first edition xvii
- Preface to the second edition xxi
- List of illustrations xxiii
- 1 Validity: what follows from what? 1
  - 2 Truth functions—or not? 7
  - 3 Names and quantifiers: is nothing something? 17
  - 4 Descriptions and existence: did the Greeks worship Zeus? 24
  - 5 Self-reference: what is this chapter about? 30
  - 6 Necessity and possibility: what will be must be? 37
  - 7 Conditionals: what's in an *if*? 45
  - 8 The future and the past: is time real? 53
  - 9 Identity and change: is anything ever the same? 61
  - 10 Vagueness: how do you stop sliding down a slippery slope? 68

- 11 Probability: the strange case of the missing reference class 76
- 12 Inverse probability: you can't be indifferent about it! 84
- 13 Decision theory: great expectations 92
- 14 Halt! What goes there? 100
- 15 Maybe it is true—but you can't prove it! 110
- A little history and some further reading 119
- Glossary 127
- Problems 133
- Problem solutions 137
- Bibliography 149
- General index 151
- Index of names 155